

VC-AUTO4

All-in-One 4K Intelligent Video Conferencing Endpoint



PRODUCT OVERVIEW

The **VC-AUTO4** camera is a high-performance conferencing camera built on an open Android 12 platform, powered by a quad-core Cortex-A76 and quad-core Cortex-A55 processor combined with a 6 TOPS AI NPU. It supports deep customization for advanced video applications and includes comprehensive development documentation and SDK resources, making it ideal for integrators and developers. Equipped with a 4K UHD sensor and an 80.8° ultra-wide-angle lens with 12x optical zoom, the camera provides exceptional clarity while its large-range PTZ mechanism ensures complete coverage of medium to large meeting spaces. Its powerful video decoding capabilities support multiple modern formats—including H.265, H.264, AV1, VP9, and AVS2—up to 8K60fps, ensuring smooth and high-quality video output.

KEY FEATURES

- **High-performance Open Platform** : Powered by Android 12 with Quad-core Cortex-A76 and quad-core Cortex-A55 CPU and 6TOPs AI NPU, the camera supports deep customization development for video applications and provides comprehensive development documentation and SDK.
- **Ultra-wide-angle Lens** : Equipped with a 4K UHD camera and an 80.8° ultra-wide-angle lens, the camera also supports 12x optical zoom and is complemented by a large-range PTZ, covering the entire conference space.
- **Dual-screen Display** : The camera supports simultaneous input of dual 4K video streams (1×built-in MIPI, 1×HDMI), simultaneous output of dual 4K video streams (2×HDMI), and dual-screen display.
- **Built-in Audio Processing Algorithms** : Built-in audio 3A processing algorithms include automatic gain control, automatic echo cancellation, automatic noise suppression, etc. The camera supports multiple audio inputs and outputs, effectively suppressing environmental noise and interference.
- **Fanless Design** : The camera adopts a metal shell material with excellent heat dissipation performance; the fanless design ensures stable operation with low noise and long-term operation at high frequencies.

APPLICATIONS

- Boardrooms
- Classrooms
- Auditorium

RESOUNDIFY

TECHNICAL SPECIFICATIONS

Camera Specifications

Operating System	Operating System
CPU	4 × Cortex-A76 + 4 × Cortex-A55
RAM	4GB
ROM	16GB EMMC (optional 32GB)
Shutter	1/30s – 1/10000s
Built-in 1080P HD Camara	4K30fps Sensor: 8.51 million effective pixel, 1/2.5" CMOS; Max. Horizontal View Angle: 80.8°
Video Input Interface	1 1 × × Integrated camera HDMI, supports HDMI 2.0, Max. 4K60fps
Video Output Interface	2 × HDMI, HDMI 2.1, CEC, Max. 4K60fps
Video Codec	Hardware encoding and decoding H.265 H.264 H.265/H.264/AV1/VP9/AVS2 Video decoding. Max.8K60fps H.264/H.265 Video Coding, Max.8K30fps
Audio Interface	1 × USB 3.0
Control Interface	Control interface : 1 × RJ45 Touch
USB Interface	3 × USB 3.0
Bluetooth (Optional)	BT 5.2

Video Specifications

Built-in Camara	<ul style="list-style-type: none">• Lens: 12x Optical Zoom;• PTZ: Horizontal +/-170° ; Vertical -30 ° ~ +30° ;• Support auto white balance, auto exposure, auto focus;• Support remote camara control;• Mirror/Flip supported.
Active Image Resolution	Minimum 1Mbps for 4K at 30fps; dual 4K at 30fps on main and auxiliary streams with minimum 2Mbps. Minimum 512Kbps for 1080p at 60fps; 4K at 60fps supported on minimum 2Mbps
Other Image Features	Dual screen different display

Audio Specifications

Input	1 × Built-in array microphone; 1 × Microphone (mini cannon interface), support phantom power supply; 1 × 3.5mm linear input; 1 × HDMI IN; 1 × Bluetooth audio input (optional)
Output	1 × 3.5mm linear output; 1 × HDMI OUT; 1 × Bluetooth audio output (optional)
Features	Automatic gain control (AGC); Automatic echo cancellation (AEC); Automatic noise suppression (ANS)

TECHNICAL SPECIFICATIONS

Network Specifications	
Power Interface	1 × DC 12V Power Interface
Indicator	1 × Two color indicator
IR Interface	1 × IR interface
TF Card Interface	1 × TF card interface, support 128G (max.)
Network Interface	1 × RJ45: 10/100/1000 Base-T
Connectivity	1 × WiFi, 802.11a/b/g/n/ac (optional)
General Specifications	
Dimension	258mm (W) × 146mm (D) × 170mm (H)
Power Supply	<ul style="list-style-type: none">• Input Voltage : DC 12V• Power Consumption : 36W
Environmental Requirement	<ul style="list-style-type: none">• Temperature : 0° C ~ 40° C (operating state), -40° C ~ 70° C (non-operating state)• Humidity: 10% ~ 80% (operating), 0% ~ 95% (non-operating)
Certification and Standard	CCC, CTA